

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) An energetic composition, comprising:
a high energy material; and,
at least one nanotubular structure comprising the high energy material,
wherein said at least one nanotubular structure is composed of at least high energy material, said high energy material is a melt processible energetic material.
2. (Previously Presented) The energetic composition of claim 1, wherein the high energy material comprises an explosive composition selected from at least one of RDX, TNT, and HMX.
3. (Previously Presented) The energetic composition of claim 2, wherein the high energy material comprises one of HMX and RDX.
4. (Previously Presented) The energetic composition of claim 1, further comprising a melt temperature lowering component.
5. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure comprise a plurality of nanotubes.
6. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises a diameter of from about 300 micrometers to about 1000 micrometers.

7. (Previously Presented) The energetic composition of claim 1, further comprising inert material.
8. (Previously Presented) The energetic composition of claim 7, wherein the inert material is formed into at least one inert nanotubular structure.
9. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structures is substantially longitudinally aligned.
10. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure is aligned along a direction of increased burn rate.
11. (Previously Presented) A burn rate modifier comprising the energetic composition of claim 1.
12. (Previously Presented) A solid propellant comprising the energetic composition of claim 1.
13. (Previously Presented) A rocket motor system comprising the energetic composition of claim 1.
- 14-21. Canceled

22. (Previously Presented) The energetic composition of claim 1, wherein the high energy material is incorporated into said at least one nanotubular structure.
23. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises a predetermined diameter from about 50 micrometers to about 100 micrometers.
24. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises an opening with a predetermined diameter sized to permit a flame to enter said opening.
25. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises a predetermined wall thickness of a few tens of nanometers.
26. (Previously Presented) The energetic composition of claim 1, wherein said at least one nanotubular structure is substantially aligned in a direction of extrusion for increased burn rate.
27. (Previously Presented) The energetic composition of claim 1, wherein said high energy material is an explosive composition.